

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/577,814
Source: IFWP
Date Processed by STIC: 05/11/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,814

TIME: 11:14:07

Input Set : A:\33393552.APP

Output Set: N:\CRF4\05112006\J577814.raw

3 <110> APPLICANT: THE CBR INSTITUTE FOR BIOMEDICAL RESEARCH, INC.
 4 LIEBERMAN, JUDY
 5 HAMAR, PETER
 7 <120> TITLE OF INVENTION: METHODS FOR TREATING AND PREVENTING ISCHEMIA-REPERFUSION
 8 INJURY USING RNA INTERFERING AGENTS
 10 <130> FILE REFERENCE: 033393-55222
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/577,814
 C--> 13 <141> CURRENT FILING DATE: 2006-04-28
 15 <150> PRIOR APPLICATION NUMBER: 60/516,172
 16 <151> PRIOR FILING DATE: 2003-10-30
 18 <160> NUMBER OF SEQ ID NOS: 35
 20 <170> SOFTWARE: PatentIn Ver. 3.2
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 9
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Human immunodeficiency virus type 1
 27 <400> SEQUENCE: 1
 28 Arg Lys Lys Arg Arg Gln Arg Arg Arg
 29 1 5
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 13
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Human immunodeficiency virus type 1
 37 <400> SEQUENCE: 2
 38 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Pro Gln
 39 1 5 10
 42 <210> SEQ ID NO: 3
 43 <211> LENGTH: 11
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Human immunodeficiency virus type 1
 47 <400> SEQUENCE: 3
 48 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
 49 1 5 10
 52 <210> SEQ ID NO: 4
 53 <211> LENGTH: 26
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Artificial Sequence
 57 <220> FEATURE:
 58 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 59 Kaposi FGF construct
 61 <400> SEQUENCE: 4
 62 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
 63 1 5 10 15

Cpg-6)

RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,814

TIME: 11:14:07

Input Set : A:\33393552.APP

Output Set: N:\CRF4\05112006\J577814.raw

65 Val Gln Arg Lys Arg Gln Lys Leu Met Pro

66 20 25

69 <210> SEQ ID NO: 5

70 <211> LENGTH: 17

71 <212> TYPE: PRT

72 <213> ORGANISM: Caiman crocodilus

74 <400> SEQUENCE: 5

75 Met Gly Leu Gly Leu His Leu Leu Val Leu Ala Ala Ala Leu Gln Gly

76 1 5 10 15

78 Ala

82 <210> SEQ ID NO: 6

83 <211> LENGTH: 23

84 <212> TYPE: PRT

85 <213> ORGANISM: Artificial Sequence

87 <220> FEATURE:

88 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic HIV

89 envelope glycoprotein gp41

91 <400> SEQUENCE: 6

92 Gly Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly

93 1 5 10 15

95 Ala Pro Lys Ser Lys Arg Lys

96 20

99 <210> SEQ ID NO: 7

100 <211> LENGTH: 16

101 <212> TYPE: PRT

102 <213> ORGANISM: Drosophila sp.

104 <400> SEQUENCE: 7

105 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys

106 1 5 10 15

109 <210> SEQ ID NO: 8

110 <211> LENGTH: 5

111 <212> TYPE: PRT

112 <213> ORGANISM: Artificial Sequence

114 <220> FEATURE:

115 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RGD

116 peptide

118 <220> FEATURE:

119 <221> NAME/KEY: MOD_RES

120 <222> LOCATION: (1)

121 <223> OTHER INFORMATION: variable amino acid

123 <220> FEATURE:

124 <221> NAME/KEY: MOD_RES

125 <222> LOCATION: (5)

126 <223> OTHER INFORMATION: variable amino acid

128 <400> SEQUENCE: 8

W--> 129 Xaa Arg Gly Asp Xaa

130 1 5

133 <210> SEQ ID NO: 9

134 <211> LENGTH: 24

RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,814

TIME: 11:14:07

Input Set : A:\33393552.APP

Output Set: N:\CRF4\05112006\J577814.raw

```

135 <212> TYPE: PRT
136 <213> ORGANISM: Influenza virus
138 <400> SEQUENCE: 9
139 Gly Leu Phe Glu Ala Ile Ala Gly Phe Ile Glu Asn Gly Trp Glu Gly
140   1           5           10           15
142 Met Ile Asp Gly Gly Tyr Cys
143           20
146 <210> SEQ ID NO: 10
147 <211> LENGTH: 27
148 <212> TYPE: PRT
149 <213> ORGANISM: Unknown Organism
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Unknown Organism: Transportan A
154 <400> SEQUENCE: 10
155 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu
156   1           5           10           15
158 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
159           20           25
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 9
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown Organism
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Unknown Organism: Pre-S-peptide
170 <400> SEQUENCE: 11
171 Ser Asp His Gln Leu Asn Pro Ala Phe
172   1           5
175 <210> SEQ ID NO: 12
176 <211> LENGTH: 9
177 <212> TYPE: PRT
178 <213> ORGANISM: Unknown Organism
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Unknown Organism: Somatostatin
182   (tyr-3-octreotate)
184 <400> SEQUENCE: 12
185 Ser Phe Cys Tyr Trp Lys Thr Cys Thr
186   1           5
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 21
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Synthetic Fas
196   sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Fas
200   sequence
202 <400> SEQUENCE: 13
203 gugcaagugc aaaccagact t

```

21

RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,814

TIME: 11:14:07

Input Set : A:\33393552.APP

Output Set: N:\CRF4\05112006\J577814.raw

```

206 <210> SEQ ID NO: 14
207 <211> LENGTH: 21
208 <212> TYPE: DNA
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Synthetic Fas
213     sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic Fas
217     sequence
219 <400> SEQUENCE: 14
220 gucugguuug cacuugcact t                               21
223 <210> SEQ ID NO: 15
224 <211> LENGTH: 19
225 <212> TYPE: DNA
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 15
229 gaggaagact gttactaca                               19
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 19
234 <212> TYPE: DNA
235 <213> ORGANISM: Homo sapiens
237 <400> SEQUENCE: 16
238 tgatgaagga catggctta                               19
241 <210> SEQ ID NO: 17
242 <211> LENGTH: 19
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 17
247 gaagcgtatg acacattga                               19
250 <210> SEQ ID NO: 18
251 <211> LENGTH: 19
252 <212> TYPE: DNA
253 <213> ORGANISM: Homo sapiens
255 <400> SEQUENCE: 18
256 ggacattact agtgactca                               19
259 <210> SEQ ID NO: 19
260 <211> LENGTH: 1008
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
264 <400> SEQUENCE: 19
265 atgctgggca tctggaccct cctacctctg gttcttacgt ctgttgctag attatcgctc 60
266 aaaagtgtta atgcccaagt gactgacatc aactccaagg gattggaatt gaggaagact 120
267 gttactacag ttgagactca gaacttgga ggacctgcac atgatggcca attctgccat 180
268 aagccctgtc ctccaggtga aaggaaagct agggactgca cagtcaatgg ggatgaacca 240
269 gactgcgtgc cctgccaaga agggaaggag tacacagaca aagcccattt ttcttccaaa 300
270 tgcagaagat gtagattgtg tgatgaagga catggcttag aagtggaaat aaactgcacc 360
271 cggaccacaga ataccaagtg cagatgtaaa ccaaactttt tttgtaactc tactgtatgt 420
272 gaacactgtg acccttgcac caaatgtgaa catggaatca tcaaggaatg cacactcacc 480

```

RAW SEQUENCE LISTING

DATE: 05/11/2006

PATENT APPLICATION: US/10/577,814

TIME: 11:14:07

Input Set : A:\33393552.APP

Output Set: N:\CRF4\05112006\J577814.raw

```

273 agcaacacca agtgcaaaga ggaaggatcc agatctaact tgggggtggct ttgtcttctt 540
274 cttttgccaa ttccactaat tgtttgggtg aagagaaagg aagtacagaa aacatgcaga 600
275 aagcacagaa aggaaaacca aggttctcat gaatctccaa ccttaaatecc tgaaacagtg 660
276 gcaataaatt tatctgatgt tgacttgagt aaatatatca ccactattgc tggagtcagt 720
277 acactaagtc aagttaaagg ctttgttcga aagaatgggtg tcaatgaagc caaaatagat 780
278 gagatcaaga atgacaatgt ccaagacaca gcagaacaga aagttcaact gcttcgtaat 840
279 tggcatcaac ttcatggaaa gaaagaagcg tatgacacat tgattaaaga tctcaaaaaa 900
280 gccaatcttt gtactcttgc agagaaaatt cagactatca tcctcaagga cattactagt 960
281 gactcagaaa attcaaactt cagaaatgaa atccaaagct tgggtctag 1008
284 <210> SEQ ID NO: 20
285 <211> LENGTH: 945
286 <212> TYPE: DNA
287 <213> ORGANISM: Homo sapiens
289 <400> SEQUENCE: 20
290 atgctgggca tctggaccct cctacctctg gttcttacgt ctggtgctag attatcgctc 60
291 aaaagtgtta atgcccaagt gactgacatc aactccaagg gattggaatt gaggaagact 120
292 gttactacag ttgagactca gaacttggaa ggctgcatc atgatggcca attctgccat 180
293 aagccctgtc ctccaggtga aaggaaagct agggactgca cagtcaatgg ggatgaacca 240
294 gactgctgtc cctgccaaga agggaaggag tacacagaca aagcccattt ttcttccaaa 300
295 tgcagaagat gtagattgtg tgatgaagga catggcttag aagtggaaat aaactgcacc 360
296 cggaccagca ataccaagtg cagatgtaaa ccaaactttt tttgtaactc tactgtatgt 420
297 gaacactgtg acccttgcac caaatgtgaa catggaatca tcaaggaatg cacactcacc 480
298 agcaacacca agtgcaaaga ggaagtgaag agaaaggaag tacagaaaac atgcagaaag 540
299 cacagaaagg aaaaccaagg ttctcatgaa tctccaacct taaatcctga aacagtggca 600
300 ataaatttat ctgattgtga cttgagtaaa tatatcacca ctattgctgg agtcatgaca 660
301 ctaagtcaag ttaaaggctt tgttcgaaag aatgggtgtc atgaagccaa aatagatgag 720
302 atcaagaatg acaatgtcca agacacagca gaacagaaag ttcaactgct tcgtaattgg 780
303 catcaacttc atggaaagaa agaagcgtat gacacattga ttaaagatct caaaaaagcc 840
304 aatctttgtg ctcttgcaga gaaaattcag actatcatcc tcaaggacat tactagtgc 900
305 tcagaaaatt caaacttcag aaatgaaatc caaagcttgg tctag 945
308 <210> SEQ ID NO: 21
309 <211> LENGTH: 663
310 <212> TYPE: DNA
311 <213> ORGANISM: Homo sapiens
313 <400> SEQUENCE: 21
314 atgctgggca tctggaccct cctacctctg gttcttacgt ctggtgctag attatcgctc 60
315 aaaagtgtta atgcccaagt gactgacatc aactccaagg gattggaatt gaggaagact 120
316 gttactacag ttgagactca gaacttggaa ggctgcatc atgatggcca attctgccat 180
317 aagccctgtc ctccaggtga aaggaaagct agggactgca cagtcaatgg ggatgaacca 240
318 gactgctgtc cctgccaaga agggaaggag tacacagaca aagcccattt ttcttccaaa 300
319 tgcagaagat gtagattgtg tgatgaagga catggcttag aagtggaaat aaactgcacc 360
320 cggaccagca ataccaagtg cagatgtaaa ccaaactttt tttgtaactc tactgtatgt 420
321 gaacactgtg acccttgcac caaatgtgaa catggaatca tcaaggaatg cacactcacc 480
322 agcaacacca agtgcaaaga ggaaggatcc agatctaact tgggggtggct ttgtcttctt 540
323 cttttgccaa ttccactaat tgtttgggtg aagagaaagg aagtacagaa aacatgcaga 600
324 aagcacagaa aggaaaacca aggttctcat gaatctccaa ccttaaatecc tatgttgact 660
325 tga 663
328 <210> SEQ ID NO: 22
329 <211> LENGTH: 450

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/577,814

DATE: 05/11/2006
TIME: 11:14:08

Input Set : A:\33393552.APP
Output Set: N:\CRF4\05112006\J577814.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 1,5

Seq#:35; N Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/577,814

DATE: 05/11/2006

TIME: 11:14:08

Input Set : A:\33393552.APP

Output Set: N:\CRF4\05112006\J577814.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

L:497 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0